

Title (en)

DROP MARKING CONTROL SYSTEM RESPONSIVE TO ACOUSTICAL PROPERTIES OF INK

Title (de)

TROPFENMARKIERUNGSSYSTEM REAGIEREND AUF AKUSTISCHE EIGENSCHAFTEN VON TINTE

Title (fr)

SYSTEME DE COMMANDE DE MARQUAGE PAR GOUTTES SENSIBLE AUX PROPRIETES ACOUSTIQUES DE L'ENCRE

Publication

**EP 0730529 A1 19960911 (EN)**

Application

**EP 94930293 A 19941027**

Priority

- GB 9402313 W 19941027
- US 14839293 A 19931108

Abstract (en)

[origin: US5424766A] A control system is disclosed for an ink jet printer. The control system employs acoustic transducers to determine the velocity of sound in the ink and in a reference chamber containing only fresh ink. By comparing the two measurements it can be determined when to add additional solvent to the system to maintain solids concentration substantially constant.

IPC 1-7

**B41J 2/195**

IPC 8 full level

**B41J 2/175** (2006.01); **B41J 2/125** (2006.01); **B41J 2/195** (2006.01); **G01N 29/00** (2006.01)

CPC (source: EP US)

**B41J 2/195** (2013.01 - EP US)

Citation (examination)

- PATENT ABSTRACTS OF JAPAN vol. 12, no. 236 (M-715) (3083) 6 July 1988 & JP,A,63
- 028 651 (RICOH) 6 February 1988

Cited by

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**WO 9513192 A1 19950518**; AT E156424 T1 19970815; AU 7945394 A 19950529; CA 2175086 A1 19950518; DE 69404858 D1 19970911; DE 69404858 T2 19971127; EP 0730529 A1 19960911; EP 0730529 B1 19970806; JP H09504756 A 19970513; US 5424766 A 19950613

DOCDB simple family (application)

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